

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Mamoru SATO, et al. )  
Application No.: Not Yet Assigned ) Group Art Unit:  
Filed: August 4, 2006 ) Examiner:  
For: **PEPTIDYL ARGININE** )  
**DEIMINASE TYPE IV** )  
**INHIBITOR** )

**U.S. National Phase of International Application No.  
PCT/JP2005/001574**

**MAILSTOP PCT**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08 and cited in the international search report. Copies of the listed foreign patent and non-patent literature documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced application.

The following is listed on the accompanying PTO/SB/08 and is in a non-English language:

1. Japanese Patent Application No. JP 4-297497.

In lieu of a statement of relevance or the translation of the non-English document, enclosed is an English-language international search report from the Japanese Patent Office in the PCT international application, from which this national phase U.S. application is derived, citing this document and setting forth the relevance thereof.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

107588451

Customer No. 22,852  
Attorney Docket No. 10084.0017


If there is any fee due in connection with the filing of this Statement, please  
charge the fee to our Deposit Account No. 06-0916.

AP20 Rec'd PCIP10 04 AUG 2006

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: August 4, 2006

By:   
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/rac

Substitute for form 1449A/PTO  <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>				<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">10084-0017</td> </tr> <tr> <td>Filing Date</td> <td>August 4, 2006</td> </tr> <tr> <td>First Named Inventor</td> <td>Mamoru SATO</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>10084.0017</td> </tr> </table>		Application Number	10084-0017	Filing Date	August 4, 2006	First Named Inventor	Mamoru SATO	Art Unit		Examiner Name		Attorney Docket Number	10084.0017
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Art Unit																	
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Attorney Docket Number	10084.0017																
Sheet	1	of	1														

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004**

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 99/11667	03-11-1999	MEHEUS, ET AL.		
		JP 4-297497	10-21-1992	SYNTEX (U.S.A.) INC.		NO

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		SASAKA, ET AL., "N-Acetyl Conjugates of Basic Amino Acids Newly Identified in Rat Urine", Archives of Biochemistry and Biophysics, Vol. 219, No. 2, pages 454-458, (1982)	
		OGAWA, ET AL., "Metabolism of N <sup>G</sup> , N <sup>G</sup> - and N <sup>G</sup> , N <sup>G</sup> -Dimethylarginine in Rats", Archives of Biochemistry and Biophysics, Vol. 252, No. 2, pages 526-537, (1987)	
		CHIKUMA, ET AL., "A Highly Sensitive High-Performance Liquid Chromatography-Fluorometric Method for the Assay of Peptidylarginine Deiminase Activity", Analytical Biochemistry, Vol. 285, pages 230-234, (2000)	
		KYLE, ET AL., "Synthesis of cyclic and acyclic N $\alpha$ -methyl-N $\omega$ -alkyl-L-arginine analogues", Tetrahedron Letters, Vol. 45, pages 2151-2153, (2004)	
		SOTIR, ET AL., "Solvent-free synthesis of azole carboximidamides", Tetrahedron Letters, Vol. 45, pages 9423-9426, (2004)	

Examiner Signature		Date Considered	
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